M. A. R. 57 (Rule 116)
Measurement Book

No. B 426970

No. 2nd and Part Bill

of Work ..... From..... To.....

of Contractor of nature of Agency EE, KREDL, Bangalore

f commencement of work D.O. Recording : 15.03.2021

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
Name of Works : Providing new Borewells and C.C. Roads and drains develop-ment in Rachenahally and other adjacent layouts in Ward no.06. Thanisandra.						
Estimated cost : Rs 199.00 Lakhs						
JOB.NO : 006-20-000009						
Work order no : BDMP/EE/BTP/WO/151/2019.20						Dt. 08-11-2019

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
1)	Earthwork Excavation by manual means for Roads, drains and similar works in ordinary soil, Excavated surface levelled and sides neatly dressed, the disposed Earth to be levelled neatly after boarding clods complete as per specifications and as per the directions of Engineer-in-charge of work.						
			aty vide - R. Bill		It no. (1)		
			p. no. (1)	= 102.5	8 m³ @ 207.60/m³	21297.00	
2)	Providing and laying in position plain cement concrete M20 1:1.5:3 with opc. @ 220 kgs with 40 mm nominal down size graded						

M. A. R. 57 (Rule 116)
Measurement Book

No. B 426971

Material No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	granite metal coarse @ 0.46 m³ machine mixed concrete laid in layers not exceeding three inches well compacted in floors including cost of all materials, labour complete as per specification.	aggregate @ 0.892 m³ and hard aggregate					
			qty vide, R. Bill, It no (2)				
			p. no (1)	= 17.29 m³	@ 5505.64/m³	95188.00	
3)	Providing laying plain reinforced M.20 nominal	reinforced cement concrete for slab stairs mix concrete with opc at 300 kgs					

Scanned by CamScanner

MEASUREMENT BOOK

M. A. R. 57 (Rule 116)
Measurement Book

No. B 426972

ial No. .....
ne of Work ..... From..... To.....
ne of Contractor of nature of Agency .....
e of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	with 20mm down size granite metal Coarse aggregate ch 0.69 m³ and fine aggregate ch 0.43 m³ machine mixed, well compacted for wall and battam including centring shuttering costof material, hire of machinery, curing complete, excluding costof steel as per drawing specification and as per the directions of Engineer in-Charge.						
	qty vide E.Bill. No. (3)						
	p.w. (3) = 37.37 m³ @ 7070.20/m³						264290.00
4)	Providing mtmt. bars fe.500 steel reinforcement for RCC work including straightening, cutting, bending, hooking placing in position, lapping and or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary. Complete as per design, costof material, labour, hire of machinery complete as per specifications and directions of Engineer-in-Charge.						
	Qty vide E.Bill. No. (3) p.w. (3)						
	2	3.09	Tonne @	72326.98/Tonne. Rs.			223693.00

Scanned by CamScanner

MEASUREMENT BOOK

M. A. R. 57 (Rule 116)
Measurement Book

No. B 426973

ial No. .....
ne of Work ..... From..... To.....
ne of Contractor of nature of Agency .....
e of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
5)	Providing and laying pre-cast covering slab made out of C.C 1:2:4 with 10cms thick at finishing coating. including formwork, curing, including costing all materials, labour hire charges of machinery, loading, unloading, lead and lifts transportations etc complete as per directions of Engineer-in-charge of work.						
	Qty vide E. Bill Pg no. (5)						
	Pg no. (4) = 37.43 m^2 @ 2337/m^2					87463.00	
(b)	Providing laying pre-cast covering slab 250mm thick						
	made out of C.C 1:2:4 and jelly 20mm and down size with steel reinforcement including formwork curing, cost of all materials, labour, hire charges of machinery, loading, unloading Lead and lifts, transportations etc complete as per the directions of Engineer-in-charge of work.						
	Qty vide E. Bill, Pg no (6) Pg no (5)						
	43.20						2,34,058.00
	2 ~~77.70~~ m^2 @ 5418/m^2						~~2,42,542.00~~ @
	(a) ~~9 kg upto 12 kg~~						~~95899.00~~ @
	(b) ~~9 kg above 12 kg~~ = 17.70 nos @ 5418/no						

Scanned by CamScanner

MEASUREMENT BOOK

ate	Full description, etc, of work	Dimensions				Contents	Refere to last Measu
1	2	Number 3	Length 4	Breadth 5	Depth 6	7	
7)	Dismantling of cement concrete pavements by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 m³ in volume and stacks piling at designed locations and disposal of dismantled material including removable and unserviceable materials separately complete as per specifications and as per the directions of Engineer-in-charge Work.						
		Qty vide	R.Bill	No.	(7)		47,270.00
		P. No. (5)	=	462.20	m³ @ 102.27		

M. A. R. 57 (Rule 116)
Measurement Book

No. B 426974

erial No. .....
ame of Work ..... From..... To.....
ame of Contractor of nature of Agency .....
te of commencement of work .....

ate	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	2	Number 3	Length 4	Breadth 5	Depth 6	7	8
	8) Excavation for Road works in all types of soil by mechanical means including cutting and loading to tippers transporting lifting and side slope; in accordance with requirements of lines, grades, cal cross-sections, and transportation with loading lowering and complete as per specifications and directions of Engineer-in-charge Work.						
		Qty vide	R.Bill	No.	8	P. No. (6)	
		=	878.494	@	56.25	m³ - Rs	49,424.00

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(a)	Stone dust/grit 4.75 mm to 0.075 mm for Road Strengthening for WBM cut portions and as per the directions of Engineer-in-charge Qty vide E. Bill No. (9) P. (6) = 265.92 m³ @ 1060/- Rs						2,81,875.00
(b)	Providing and laying, spreading, and compacting crushed stone aggregates of Trap/Basalt to wet mix macadam specifications including pre-mixing the material with water at OMC in mechanical mix plant Carriage of mixed						

M. A. R. 57 (Rule 116)
Measurement Book

No. B 426975

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	materials by tipper to site, laying in uniform layers using Paver in sub-base/base course on well prepared surface and compacting with vibratory Roller to achieve the desired density complete as per specifications and directions of Engineer-in-charge. Qty vide E. Bill No. (9) page (5) = 265.92 m³ @ 2001.28/- Rs						532,181.00

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Ref. to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
135)	Cement Concrete pavement: Consisting of un-reinforced cement concrete pavement, using a grade Concrete M-30 over a prepared base with 10% Coarse aggregate 20-6mm, fine aggregate 0.4 m³ Coarse aggregate and fine aggregates confirming to IS-383-2016, with super plasticiser @ 3 ltr confirming to IS 9103-2008 mixed in a Concrete mixer of not less than 0.60 m³ Capacity and appropriate Weigh batcher as per approved design mix laid as approved finished and forms work Spreading in						

M. A. R. 57 (Rule 116)
Measurement Book

No. B

426977

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	Concrete with shovels, rackers, Compacted using needle Vibrator and plate vibrator of diminished rising Continuous operation including provision of Contractor, Expansion, Construction and longitudinal joints including grooving cutting charges, joints filler, separation membrane, sealant primer, joint sealants and mixtures of approved, curing compound, finishing to lines and grades, textured with texturing machine and curing, cost of all materials, labour, hire charges of all machines complete						

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	as per specifications and directions of Engineer-in-charge						
	9th side R.Bill. H no. (13)						
	p.no (10) = 346.65 sft @ 5210.38/sft						18,06,37
	Total of previous items						56,36,38
	Total of other items						3,21,52
	sub Total. Rs						59,57,87
	Add labour charges 4%.						2,38,315
	Add GST @ 12%.						67,6,362
	Grand Total. Rs						68,72,553

15/3/2024

15/3/2024

M. A. R. 57 (Rule 116)
Measurement Book

No. B

426978

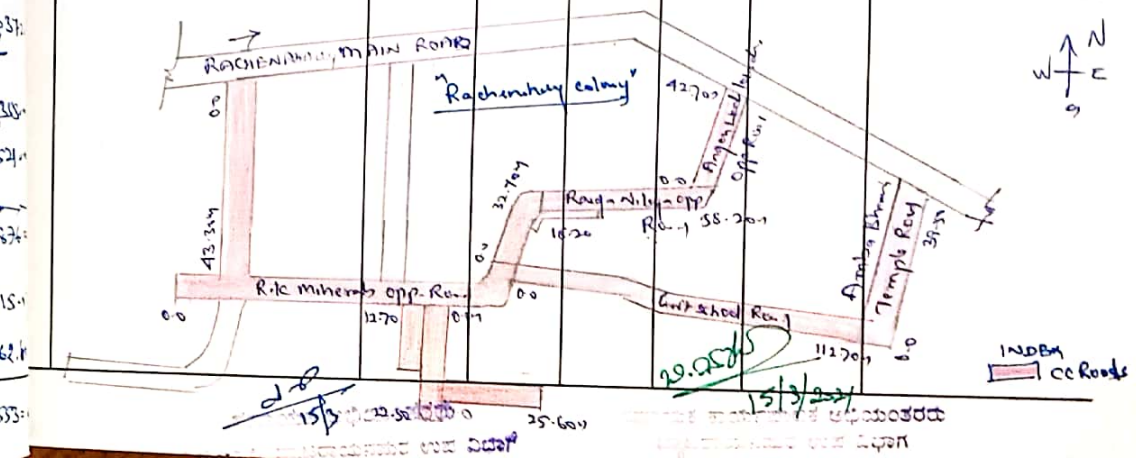
Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8

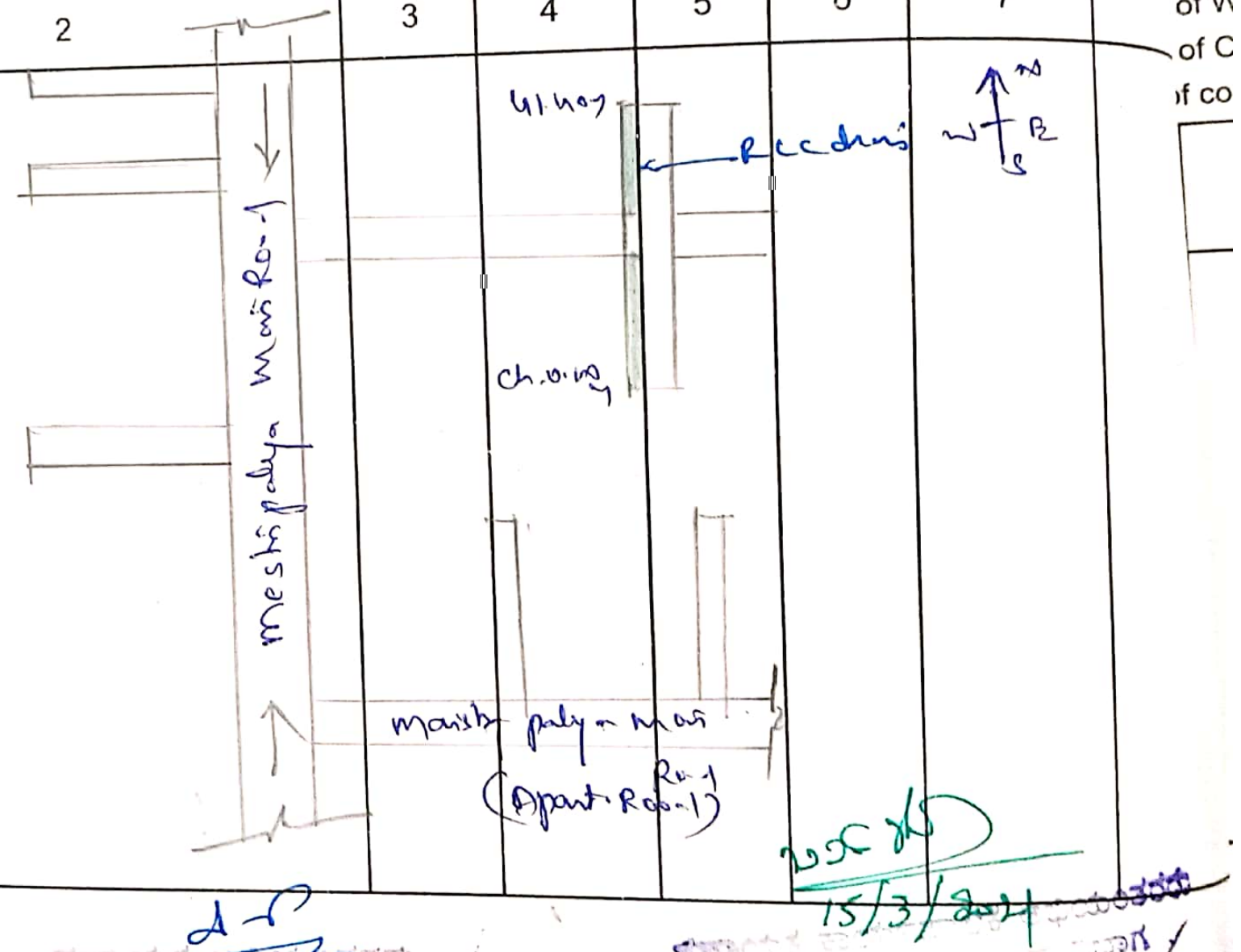


15/3/2024

15/3/2024

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	No. of W of C of co
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
							

15/3/2024

15/3

Scanned by CamScanner

M. A. R. 57 (Rule 116)
Measurement Book

No. B

426973

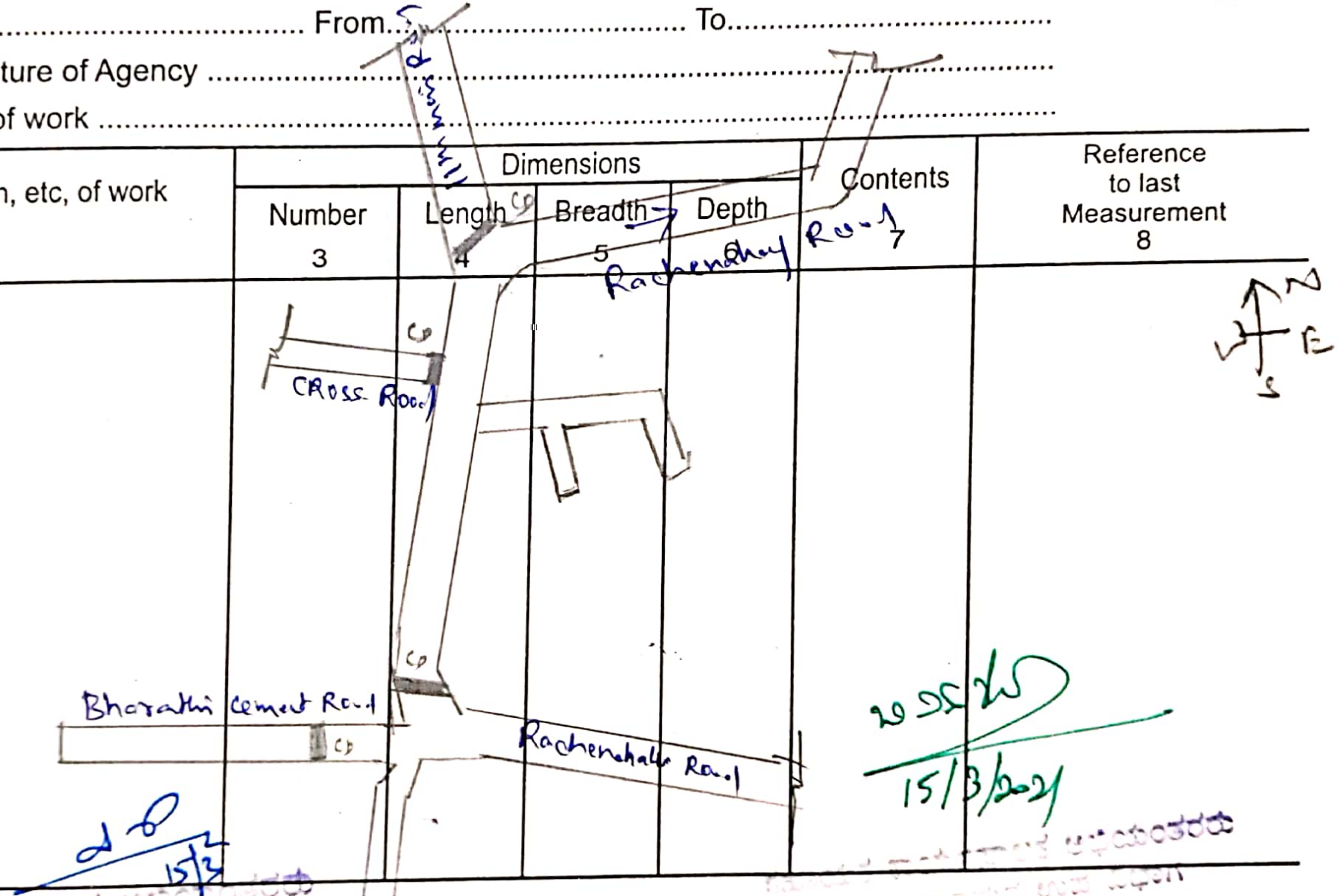
No. .....

of Work ..... From..... To.....

of Contractor of nature of Agency .....

f commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8



15/3/2021

15/3/2021

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು

ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-84

Scanned by CamScanner